

Home | Login | Logout | Access Information | Alerts |

Welcome United States Patent and Trademark Office

☐ Search Session History

BROWSE SEARCH IEEE XPLORE GUIDE

Edit an existing query or compose a new query in the Search Query Display.

Select a search number (#)

- Add a query to the Search Query Display
- Combine search queries using AND, OR, or NOT
- Delete a search
- Run a search

Fri, 28 Jul 2006, 5:53:22 PM EST

Search Query Display



Recent Search Queries

#1 (shin t.<in>au)

#2 (shin t. h.<in>au)

#3 (shin t. m.<in>au)

#4 ((shots, frames, shot boundary, thresholds)<in>metadata)



Help Contact Us Privacy &:

© Copyright 2006 IEEE -

indexed by inspec



Home | Login | Logout | Access Information | Alerts |

Welcome United States Patent and Trademark Office

☐ Search Session History

BROWSE

SEARCH

IEEE XPLORE GUIDE

Edit an existing query or compose a new query in the Search Query Display.

Select a search number (#)

- Add a query to the Search Query Display
- Combine search queries using AND, OR, or NOT
- · Delete a search
- · Run a search

Search Query Display



Fri, 28 Jul 2006, 6:29:10 PM EST

Recent Search Queries

#1 (kankanhalli a.<in>au)

#2 (smoliar s. w.<in>au)



Help Contact Us Privacy &:

Copyright 2006 IEEE -

Indexed by ់ជា Inspec*

SEARCH

Subscribe (Full Service) Register (Limited Service, Free) Login

Search: • The ACM Digital Library • The Guide

kankanhalli, parsing, video, motion, smoliar, zhang, automatic

the aom dicital library

Feedback Report a problem Satisfaction

Terms used kankanhalli parsing video motion smoliar zhang automatic

Found **5,050** of **182,223**

Sort results Display

results

relevance expanded form Save results to a Binder Open results in a new

Try an Advanced Search Try this search in The ACM Guide

Results 1 - 20 of 200

Result page: 1 2 3 4 5 6 7 8 9 10

Relevance scale

Best 200 shown

1 Video parsing, retrieval and browsing: an integrated and content-based solution H. J. Zhang, C. Y. Low, S. W. Smoliar, J. H. Wu

January 1995 Proceedings of the third ACM international conference on Multimedia

Publisher: ACM Press

Full text available: htm(51.17 KB) Additional Information: full citation, references, citings, index terms

Keywords: database, multimedia, video browsing, video indexing, video parsing, video retrieval

Multimedia authoring: AVE: automated home video editing

Xian-Sheng HUA, Lie LU, Hong-Jiang ZHANG

November 2003 Proceedings of the eleventh ACM international conference on Multimedia

Publisher: ACM Press

Full text available: pdf(384.96 KB)

Additional Information: full citation, abstract, references, citings, index terms

In this paper, we present a system that automates home video editing. This system automatically extracts a set of highlight segments from a set of raw home videos and aligns them with user supplied incidental music based on the content of the video and incidental music. We developed an approach for extracting temporal structure and determining the importance of a video segment in order to facilitate the selection of highlight segments. Additionally we extract temporal structure, beats and tempos ...

Keywords: audio segmentation, music analysis, optimization, video content analysis, video editing, video segmentation, video skimming

3 A video parsing, indexing and retrieval system

H. J. Zhang, J. H. Wu, C. Y. Low, S. W. Smoliar

January 1995 Proceedings of the third ACM international conference on Multimedia

Publisher: ACM Press

Additional Information: full citation, references, citings, index terms Full text available: 191 htm(9.01 KB)

4 Content analysis: A mid-level representation framework for semantic sports video



<u>analysis</u>

Ling-Yu Duan, Min Xu, Tat-Seng Chua, Qi Tian, Chang-Sheng Xu

November 2003 Proceedings of the eleventh ACM international conference on Multimedia

Publisher: ACM Press

Full text available: pdf(1.42 MB)

Additional Information: <u>full citation</u>, <u>abstract</u>, <u>references</u>, <u>citings</u>, <u>index</u> terms

Sports video has been widely studied due to its tremendous commercial potentials. Despite encouraging results from various specific sports games, it is almost impossible to extend a system for a new sports game because they usually employ different sets of low-level features appropriate for the specific games and closely coupled with the use of game specific rules to detect events or highlights. There is a lack of internal representation and structure to be generic and applicable for many differ ...

Keywords: events, mid-level representation, semantics, sports video

5 An intuitive and efficient access interface to real-time incoming video based on



<u>automatic indexing</u>

Yukinobu Taniguchi, Akihito Akutsu, Yoshinobu Tonomura, Hiroshi Hamada January 1995 **Proceedings of the third ACM international conference on Multimedia**

Publisher: ACM Press

Full text available: htm(40.62 KB) Additional Information: full citation, references, citings, index terms

Keywords: browsing, content-based video indexing, grazing, real-time incoming video, user interfaces

6 A hierarchical access control model for video database systems



Elisa Bertino, Jianping Fan, Elena Ferrari, Mohand-Said Hacid, Ahmed K. Elmagarmid, Xingquan Zhu

April 2003 ACM Transactions on Information Systems (TOIS), Volume 21 Issue 2

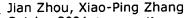
Publisher: ACM Press

Full text available: pdf(6.27 MB) Additional Information: full citation, abstract, references, index terms

Content-based video database access control is becoming very important, but it depends on the progresses of the following related research issues: (a) efficient video analysis for supporting semantic visual concept representation; (b) effective video database indexing structure; (c) the development of suitable video database models; and (d) the development of access control models tailored to the characteristics of video data. In this paper, we propose a novel approach to support multilevel acce ...

Keywords: Video database models, access control, indexing schemes

7 Internet and WWW-based systems: A web-enabled video indexing system



October 2004 Proceedings of the 6th ACM SIGMM international workshop on Multimedia information retrieval

Publisher: ACM Press

Full text available: Top pdf(399.60 KB) Additional Information: full citation, abstract, references, index terms

Video parsing and indexing is an important early stage of content-based video analysis. In this paper, we present a new web-enabled video indexing system that integrates Synchronized Multimedia Integration Language (SMIL) standard. New algorithms are proposed for video temporal segmentation. Sharp transition detection is achieved by an enhanced histogram-based method that is robust to illumination changes. For gradual transition detection, new features are introduced for dissolve detection. T ...

Keywords: SMIL, shot boundary detection, video indexing, video temporal segmentation

8 Vision: a digital video library

Wei Li, Susan Gauch, John Gauch, Kok Meng Pua

April 1996 Proceedings of the first ACM international conference on Digital libraries

Publisher: ACM Press

Full text available: pdf(1.43 MB) Additional Information: full citation, references, citings, index terms

Keywords: content-based indexing and retrieving, digital libraries, video and audio processing

9 Automatic audio content analysis

Silvia Pfeiffer, Stephan Fischer, Wolfgang Effelsberg February 1997 Proceedings of the fourth ACM international conference on Multimedia

Publisher: ACM Press

Full text available: 🔁 pdf(888.28 KB) Additional Information: full citation, references, citings, index terms

Keywords: audio content analysis, audio indexing and retrieval, audio segmentation, audio toolbox, violence detection

10 PanoramaExcerpts: extracting and packing panoramas for video browsing

Yukinobu Taniguchi, Akihito Akutsu, Yoshinobu Tonomura

November 1997 Proceedings of the fifth ACM international conference on Multimedia

Publisher: ACM Press

Full text available: pdf(1.39 MB) Additional Information: full citation, references, citings, index terms

11 New enhancements to cut, fade, and dissolve detection processes in video

segmentation

Ba Tu Truong, Chitra Dorai, Svetha Venkatesh October 2000 Proceedings of the eighth ACM international conference on Multimedia

Publisher: ACM Press

Additional Information: full citation, abstract, references, citings, index Full text available: pdf(733.18 KB)

We present improved algorithms for cut, fade, and dissolve detection which are fundamental steps in digital video analysis. In particular, we propose a new adaptive threshold determination method that is shown to reduce artifacts created by noise and motion in scene cut detection. We also describe new two-step algorithms for fade and dissolve detection, and introduce a method for eliminating false positives from a list of detected candidate transitions. In our detailed study of these gradual ...

12 Content-based retrieval for multimedia databases: A motion based scene tree for



browsing and retrieval of compressed videos

Haoran Yi, Deepu Rajan, Liang-Tien Chia

November 2004 Proceedings of the 2nd ACM international workshop on Multimedia databases

Publisher: ACM Press

Full text available: pdf(770.73 KB) Additional Information: full citation, abstract, references, index terms

This paper describes a fully automatic content-based approach for browsing and retrieval of MPEG-2 compressed video. The first step of the approach is the detection of shot boundaries based on motion vectors available from the compressed video stream. The next step involves the construction of a scene tree from the shots obtained earlier. The scene tree is shown to capture some semantic information as well as to provide a construct for hierarchical browsing of compressed videos. Finally, we b ...

Keywords: shot boundary detection, video browsing, video indexing, video retrieval, video similarity

13 Image annotation and video summarization: Video summarization based on user log





enhanced link analysis

Bin Yu, Wei-Ying Ma, Klara Nahrstedt, Hong-Jiang Zhang

November 2003 Proceedings of the eleventh ACM international conference on Multimedia

Publisher: ACM Press

Full text available: 🔁 pdf(771.50 KB) Additional Information: full citation, abstract, references, index terms

Efficient video data management calls for intelligent video summarization tools that automatically generate concise video summaries for fast skimming and browsing. Traditional video summarization techniques are based on low-level feature analysis, which generally fails to capture the semantics of video content. Our vision is that users unintentionally embed their understanding of the video content in their interaction with computers. This valuable knowledge, which is difficult for computers to I ...

Keywords: link analysis, log mining, skimming, user behavior, video content analysis, video summarization

14 Detection of video sequences using compact signatures





Justin Zobel, Timothy C. Hoad

January 2006 ACM Transactions on Information Systems (TOIS), Volume 24 Issue 1

Publisher: ACM Press

Full text available: 📆 pdf(725.90 KB) Additional Information: full citation, abstract, references, index terms

Digital representations are widely used for audiovisual content, enabling the creation of large online repositories of video, allowing access such as video on demand. However, the ease of copying and distribution of digital video makes piracy a growing concern for content owners. We investigate methods for identifying coderivative video content---that is, video clips that are derived from the same original source. By using dynamic programming to identify regions of similarity in video signatures ...

Keywords: Video similarity detection, dynamic programming, local alignment

15

A video-based rendering acceleration algorithm for interactive walkthroughs





Andrew Wilson, Ming C. Lin, Boon-Lock Yeo, Minerva Yeung, Dinesh Manocha October 2000 Proceedings of the eighth ACM international conference on Multimedia

Publisher: ACM Press

Full text available: pdf(1.10 MB)

Additional Information: full citation, abstract, references, citings, index terms

We present a new approach for faster rendering of large synthetic environments using video-based representations. We decompose the large environment into cells and precompute video based impostors using MPEG compression to represent sets of objects that are far from each cell. At runtime, we decode the MPEG streams and use rendering algorithms that provide nearly constant-time random access to any frame. The resulting system has been implemented and used for an interactive walkthrough ...

Keywords: MPEG video compression, architectural walkthrough, massive models, videobased impostors, virtual cells

16 Digital video analysis and recognition for content-based access

Hongjiang Zhang, Qi Tian

December 1995 ACM Computing Surveys (CSUR), Volume 27 Issue 4

Publisher: ACM Press

Full text available: pdf(203.73 KB) Additional Information: full citation, references, index terms

17 Multimedia abstractions for a digital video library

Michael G. Christel, David B. Winkler, C. Roy Taylor

July 1997 Proceedings of the second ACM international conference on Digital libraries

Publisher: ACM Press

Full text available: pdf(1.21 MB) Additional Information: full citation, references, citings, index terms

Keywords: digital video library, multimedia abstration, video abstraction, video browsing

18 Video keyframe extraction and filtering: a keyframe is not a keyframe to everyone

Nevenka Dimitrova, Thomas McGee, Herman Elenbaas

January 1997 Proceedings of the sixth international conference on Information and knowledge management

Publisher: ACM Press

Full text available: pdf(1.13 MB) Additional Information: full citation, references, citings, index terms

Keywords: content-based video retrieval, video content filtering, video content indexing, video cut detection, video segmentation

19 Key to effective video retrieval: effective cataloging and browsing

Dulce Ponceleon, Savitha Srinivasan, Arnon Amir, Dragutin Petkovic, Dan Diklic September 1998 Proceedings of the sixth ACM international conference on Multimedia

Publisher: ACM Press

Additional Information: full citation, references, citings, index terms Full text available: pdf(1.03 MB)

Keywords: cataloger, digital library creation, multiview storyboard, speech recognition, video annotation, video search and browse, video segmentation

20 Retrieving and visualizing video

Boon-Lock Yeo, Minerva M. Yeung

December 1997 Communications of the ACM, Volume 40 Issue 12

Publisher: ACM Press

Full text available: pdf(2.01 MB) Additional Information: full citation, references, citings, index terms

Results 1 - 20 of 200 Result page: **1** <u>2</u> <u>3</u> <u>4</u> <u>5</u> <u>6</u> <u>7</u> <u>8</u> <u>9</u> <u>10</u> <u>next</u>

The ACM Portal is published by the Association for Computing Machinery. Copyright © 2006 ACM, Inc.

<u>Terms of Usage Privacy Policy Code of Ethics Contact Us</u>

Useful downloads: Adobe Acrobat Q QuickTime Windows Media Player Real Player